

PENTRANIC

video display monitors

SPECIFICATIONS

CGA 14/19/21/25/29/38
SERIES 1100

CRT TYPE

0.75mm - 1mm Standard Res CRT.

FRAME

Mild steel galvanised.

Variable position.

VIDEO INPUT

6 Pin RGB Analogue Signal Input (Molex with lock).

0.7 - 5V P-P. Input impedance 5kohms

H & V sync Positive and Negative Going.

POWER REQUIREMENTS

Universal Voltage between 90 - 260 Volts AC 50 - 60Hz.

Power consumption 80 - 130W.

Automatic degaussing at power on (reset time
7 minutes).

Mains connector - Molex 2 pin male with lock.

VIDEO OUTPUT

15MHz Bandwidth.

Rise and Fall time 45ns.

SCANNING FREQUENCY

Horizontal 15.75kHz.

Vertical 50 - 60Hz.

MAXIMUM RESOLUTION

640 x 240 Pixels.

KEY FEATURES

Universal Voltage - World Wide Operation
Automatic 'Dual Coil' Degaussing - Effective Degaussing
1 Metre Extended Remote Control - Accessible Adjustments
Switched Mode Power Supply - No isolation Transformer Required
Variable Position Frame - Ease of Fixing to Peripheral Devices
Deflection Yoke Orientation - Mirror Image View
Signal Lead Supplied - Connection to Peripheral Device
UK Assembly - Service Support
Pentranic North American CRT - Reliability and Supply

CONTROLS

user

(Supplied on a 1 metre
cable remote PCB)

Brightness

Contrast

Vertical Hold

Horizontal Hold

Vertical Position

Height

Width

Horizontal Phase

pre-set

Mains PCB

Vertical Linearity

Pincushion

HT Adjust

Focus

CRT Base PCB

Sub Brightness

Red Drive

Blue Drive

Red Cut Off

Blue Cut Off

Green Cut Off

ADDITIONAL USER ADJUSTMENTS

Width Tapping

Deflection Yolk Orientation

Horizontal Linearity

The series 1100 comes with mains lead and signal
lead for ease of connection in peripheral devices.
A Pentranic Europe composite video to RGB convertor
is specifically designed for operation with this
unit.

APPLICATIONS

Amusements and Gaming

Security Monitoring

Video Display

Hotel Information

Graphics Display



PENTRANIC
EUROPE LTD

PENTRANIC

video display monitors

SPECIFICATIONS

EGA 27/29/33/38"
SERIES 1300

CRT TYPE

0.75mm - 1mm Standard Res CRT.

FRAME

Mild steel galvanised.

Variable position.

VIDEO INPUT

6 Pin RGB Analogue Signal Input (Molex with lock).

0.7 - 5V P-P. Input impedance 5kohms

H & V sync Positive and Negative Going.

POWER REQUIREMENTS

Universal Voltage 90 - 260V AC. 50 - 60Hz.

Power consumption 110W maximum.

Automatic degaussing at power on (reset time 7 minutes).

Mains Connector - Molex 2 pin male with lock.

VIDEO OUTPUT

15MHz Bandwidth.

Rise and Fall time less than 25ns.

SCANNING FREQUENCY

Horizontal: 24.5 kHz.

Vertical: 50 - 60Hz.

MAXIMUM RESOLUTION

640 x 350 Pixels.

KEY FEATURES

Universal Voltage - World Wide Operation

Automatic 'Dual Coil' Degaussing - Effective Degaussing

1 Metre Extended Remote Control - Accessible Adjustments

Switched Mode Power Supply - No isolation Transformer Required

Variable Position Frame - Ease of Fixing to Peripheral Devices

Deflection Yoke Orientation - Mirror Image View

Signal Lead Supplied - Connection to Peripheral Device

UK Assembly - Service Support

Pentranic North American CRT - Reliability and Supply

CONTROLS

user

pre-set

(Supplied on a 1 metre
extended cable)

Brightness

Contrast

Vertical Hold

Horizontal Hold

Vertical Position

Height

Width

Horizontal Phase

Mains PCB

Vertical Linearity

Pincushion

HT Adjust

Focus

CRT Base PCB

Sub Brightness

Red Drive

Blue Drive

Red Cut Off

Blue Cut Off

Green Cut Off

ADDITIONAL USER ADJUSTMENTS

Width Tapping

Deflection Yolk Orientation

Horizontal Linearity

The series 1300 medium resolution monitors come complete with mains lead and signal lead for ease of connection to peripheral devices.

APPLICATIONS

Amusements and Gaming



PENTRANIC
EUROPE LTD

data monitors

SPECIFICATIONS

VGA 38 inch

CRT TYPE

1mm Standard Res CRT.

FRAME

Mild steel galvanised.

Variable position.

CASED

Black 'Powder Painted' steel frame, rear access to controls. Tough rugged case. Minimum inter display gaps accentuating display.

VIDEO INPUT

15 Way High Density 'D' Female Plug Connection

RGB Analogue 0,7V at 75ohm

H & V Sync positive and negative going.

POWER REQUIREMENTS

Link selectable 110V or 240V AC 50-60Hz.

Power consumption 110 Watts Max.

Mains connector 3 way I.E.C. shrouded male.

Relay driven switched degaussing.

VIDEO OUTPUT

48MHz at -3dB Bandwidth.

Rise and Fall Time 45ns.

SCANNING FREQUENCY

Horizontal 30kHz - 38kHz

Vertical 55Hz - 90Hz (Automatically scanning interlace or non-interlace).

MAXIMUM RESOLUTION

35,2kHz 87Hz (1024 x 768) Interlace.

CONTROLS

user

Horizontal Width

Vertical Size

Horizontal Position

Vertical Position

Brightness

Contrast

Manual Degauss

Rotation Control

pre-set

Sub Width

H.T. Adjust

Pincushion Up

Sub Height

Keystone

Pincushion

Horizontal Hold

APPLICATIONS

The VGA 38" comes in two formats, open framed and cased. Both versions will accept direct input from a laptop computer, PC OR VGA, SVGA video interface enabling a wide variety of applications at comparatively low cost.

Computer conferencing - Boardrooms

Hotel Information

CAD/CAM Applications

Educational Display Training

Information Display Presentation

Desk Top Publishing

Future development as a multimedia display console

KEY FEATURES

Link Selectable 110/240 - World Wide Operation

Automatic/Manual Override Degauss - Effective Degauss Especially if Moved

Switched Mode Power Supply - No Isolation Transformer Required

Cased - For Use as a Stand Alone Unit - or

Open Frame - For Integrated System Locations

UK Assembly - For Service Support

Pentranic North American CRT - Reliability and Supply

